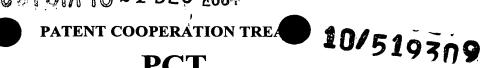
Rec'd PCT/PTO 21 DEC 2004



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference									
1	FOR FURTHER ACTION See Form PCT/IPEA/416								
E30756 HLA/JOB International application No.	International Elimedate (day/wards/wards)								
	International filing date (day/month/yea) 25.06.2003								
PCT/NO 2003/000212	26.06.2002								
International Patent Classification (IPC) or national classification and IPC									
G06K 7/10, G07F 7/06									
Applicant									
Tomra Systems ASA et al									
1. This report is the international preliminary examination report, established by this International Preliminary Examining									
Authority under Article 35 and transmitted to the applicant according to Article 36.									
2. This REPORT consists of a total of 3 sheets, including this cover sheet.									
3. This report is also accompanied by ANNEXES, comprising:									
	and to the International Bureau) a total	<u> </u>							
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
		Authority considers contain an amendment that goes							
beyond the di Supplementa	isclosure in the international application	as filed, as indicated in item 4 of Box No. I and the							
[1									
o (sent to the Internation	onal Bureau only) a total of (indicate typ								
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4. This report contains indications re	elating to the following items:								
Box No. I Basis o	f the report	C							
Box No. II Priority	,								
Box No. III Non-es	tablishment of opinion with regard to no	velty, inventive step and industrial applicability							
Box No. IV Lack of	funity of invention								
Box No. V Reason	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Box No. VII Certain	defects in the international application								
Box No. VIII Certain									
Date of submission of the demand	Date of comp	pletion of this report							
23.01.2004	04.10.2	04.10.2004							
Name and mailing address of the IPEA/S		Authorized officer							
Patent- och registreringsverket									
Box 5055 S-102 42 STOCKHOLM	Ro Guet	Bo Gustavsson /OGU							
Facsimile No. +46 8 667 72 88	Telephone N	Telephone No. +46 8 782 25 00							
Form PCT/IPEA/409 (cover sheet) (Janua	2004)								

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

ernational application No.

PCT/NO2003/000212

Box	No. I	Basis of the report					
1.	otherwise indicated under this item.						
	ш	This report is based on a translation from the which is the language of a translation furnished.		ge,			
		international search (under Rules 12.	3 and 23.1(b))				
		publication of the international appli-	cation (under Rule 12.4)				
		international preliminary examinatio	n (under Rules 55.2 and/or 55.3)				
2.	furnisi	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
		the international application as originally file	ed/furnished				
	\boxtimes	the description:					
		pages 1-9		as originally filed/furnished			
			received by this Authority on				
	_	pages*	received by this Authority on				
	\boxtimes	the claims:					
		pages		as originally filed/furnished			
			as amended (together with	•			
		pages* 10-13 pages*					
			received by this Authority on				
	\triangle	the drawings:					
		pages 1/8-8/8 pages*	received by this Authority on				
			received by this Authority on				
		a sequence listing and/or any related table(s)					
		a sequence norming and or any related and (s)	- see supplemental box relating to seque	AICE LISTING.			
3.		The amendments have resulted in the cancel	lation of:				
		the description, pages					
		the claims, Nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
	any table(s) related to the sequence listing (specify):						
4.		This report has been established as if (som made, since they have been considered to g 70.2(c)).	e of) the amendments annexed to this rep o beyond the disclosure as filed, as indicat	ort and listed below had not been ed in the Supplemental Box (Rule			
		the description, pages					
		the claims, Nos.					
		the drawings, sheets/figs					
		any table(s) related to the sequence					
*	* If item 4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

rnational application No.

PCT/NO2003/000212

Box No. V Reasoned statement under Article citations and explanations support				35(2) with regard to novelty, inventive step or industrial applicability; ting such statement	
1.	Statement	:			
	Novel	lty (N)	Claims Claims	1-13	YES NO
	Inven	tive step (IS)	Claims Claims	1-13	YES NO
	Indus	trial applicability (IA)	Claims Claims	1-13	YES NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: Patent Abstract of Japan, abstract of JP 06 203206 A

D2: US 5 593 017 A D3: US 2001 042 789 A1

D4: DE 42 22 908 A1

The invention relates to a device for recognising a container by means of a marking provided on its surface. A problem associated with systems for recognising container markings is that the surface of the container or the marking may be irregular. In order to eliminate these problems, the invention uses a system comprising at least one imager (camera) and an arrangement of light sources and/or mirrors enabling the imager(s) to obtain two images from different directions relative to the marking.

After the amendments of the claims, wherein the invention has been clarified by specifying the angular conditions between the light sources and the imager(s) and the positions of the mirrors respectively, the documents cited in the International Search Report now only represent the general state of the art. The invention defined in claims 1-13 is therefore not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed device for recognising a container. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-13 is novel and is considered to involve an inventive step. The invention is industrially applicable.